

Complete if Known

Application Number	10/043,440
Filing Date	11/16/02
First Named Inventor	MARANAS, COSTAS D., et al.
Group Art Unit	1631
Examiner Name	MORAN
Attorney Docket Number	P05468US1

(Use as many sheets as necessary)

Sheet	2	of	2
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Examiner Signature	<i>MG Mason</i>
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Date Considered	6/10/04
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* EXAMINER: Initial if reference considered whether or not citation is in conformance with MPEP 609 Draw line through citation if not in conformance and not considered Include copy of this form with next communication to applicant

* Applicant's unique citation designation number (optional) * Applicant is to place a check mark here if English language Translation is attached

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Substitute for form 1449B/PTO		Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)		Application Number	10/043,440
		Filing Date	January 10, 2002
		First Named Inventor	Maransa, Costas D.
		Group Art Unit	4645 1631
		Examiner Name	
Sheet 2 of 2	Attorney Docket Number	P05468US1	

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS			
Examiner Initials *	Cite No. †	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume/issue number(s), publisher, city and/or country where published.	
MS		COVERT, "Regulation of Gene Expression in Flux Balance Models of Metabolism," J. Theor. Biol. 213, p.73-88, (2001) (11/7/2001).	
MS		EDWARDS, "In silico predictions of Escherichia coli metabolic capabilities are consistent with experimental data," Nature Biotechnology, Vol 19 p.125-130, (February 2001)	
MS		EDWARDS, "The Escherichia coli MG1655 in silico metabolic genotype: Its definition, characteristics, and capabilities," PNAS, Vol. 97 (No. 10), p.5528-5533, (May 9, 2000)	
MS		HATZIMANIKATIS, "Analysis and Design of Metabolic Reaction Networks via Mixed-Integer Linear Optimization," AIChE Journal, Vol. 42, (No. 5) p. 1277-1292, (May 1996)	
MS		PRAMANIK, "Stoichiometric Model of Escherichia coli Metabolism: Incorporation of Growth-Rate Dependent Biomass Composition and Mechanistic Energy Requirements," Biotechnology And Bioengineering, Vol. 56, (No. 4) p. 398-421, (November 4, 1997)	
MS		VARMA, "Metabolic Capabilities of Escherichia coli: I. Synthesis of Biosynthetic Precursors and Cofactors," J. Theor. Biol. p.477-502, (1993)	

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Examiner Signature	MS Maransa	Date Considered	6/10/04
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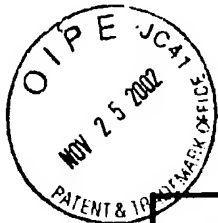
† Applicant's unique citation designation number (optional). ‡ Applicant is to place a check mark here if English language Translation is attached.

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Substitute for form 1449B/PTO		Complete if Known	
SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)		Application Number	10/043,440
		Filing Date	January 10, 2002
		First Named Inventor	MARANAS, COSTAS D. et al.
		Group Art Unit	1631
		Examiner Name	MOLAN
Sheet	2	of	2
		Attorney Docket Number	P05468US1

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS		
Examiner Initials *	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.
MSY	1	"The Challenges of in Silico Biology" Bernhard Palsson, 2000 Nature America, Inc. <i>Biotechnology</i> vol. 18, pp. 1147-1150.
MSY	2	"How Will Bioinformatics Influence Metabolic Engineering" Jeremy S. Edwards, Bernhard O. Palsson, 1998 John Wiley & Sons, Inc. <i>Biotech. and Bioeng.</i> vol. 58(2-3) pp. 162-169. (1998)
	3	"Regulation of Gene Expression in Flux Balance Models of Metabolism" Markus W. Covert, Christophe H. Schilling and Bernhard Palsson, 2001 Academic Press.
MSY	4	"[309d] - Tightening Flux Balance Models Through Boolean Relations", Anthony P. Burgard, Costas D. Maranas, AIChE Technical Program Menu from Genomics to Pathways #2, Rec'd 4/11/01.
MSY	5	"The Underlying Pathway Structure of Biochemical Reaction Networks", Christophe H. Schilling and Bernhard O. Palsson, 1998 the National Academy of Sciences PNAS, vol. 95, pp. 4193-4198.
	6	"Metabolic Flux Balance Analysis and the in silico analysis of Escherichia Coli K-12 Gene Deletions" Jeremy S. Edwards, Bernhard O. Palsson, 7/27/2000 BMC Bioinformatics 2000
MSY	7	"Combining Pathway Analysis with Flux Balance Analysis for the Comprehensive Study of Metabolic Systems" Christophe H. Schilling, Jeremy S. Edwards, David Letscher, Bernhard O. Palsson; 2001 John Wiley & Sons, Inc. <i>Biotech. & Bioeng.</i> vol. 71(4) pp. 287-306.

Examiner Signature	<i>MSY Molan</i>	Date Considered	6/10/04
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